

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Conditional Major
AIR QUALITY PERMIT
Issued under 401 KAR 52:030

Permittee Name: Western Kentucky University
Mailing Address: One Big Red Way, Bowling Green, KY 42101

Source Name: Western Kentucky University
Mailing Address: One Big Red Way, Bowling Green, KY 42101

Source Location: Same

Permit Number: F-03-001
Log Number: 50110
Review Type: Federally Enforceable
Source ID #: 21-227-00012

Regional Office: Bowling Green Regional Office
1508 Western Avenue
Bowling Green, KY 42104
(270) 746-7475

County: Warren

Issuance Date:
Expiration Date:

John S. Lyons, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emissions Points 01 and 02****Indirect heat exchangers****Description:****01**

Spreader stoker coal-fired unit
Rated capacity: 46.6 MMBtu/Hr
Manufacturer: Babcock and Wilcox
Construction Date: 1956

02

Spreader stoker coal-fired unit
Rated capacity: 50.5 MMBtu/Hr
Manufacturer: Keeler
Construction Date: 1963

APPLICABLE REGULATIONS:

Regulation 401 KAR 61:015, Existing indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBTU/hr and commenced before April 9, 1972.

1. Operating Limitations:

- a) The permittee shall limit the operation of emission units **01 and 02** such that the maximum total annual (consecutive twelve (12) month) coal consumption shall not exceed **6450** tons burned. [Self-imposed restriction, so as to preclude the applicability of Regulation 401 KAR 52:020]. The usage rate of materials used in all affected facilities shall be limited so as not to exceed the emission limitations listed in section B(2) below.
- b) The sulfur content of the coal shall not exceed 0.8% by weight on a monthly average.

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.39 lb/MMBtu based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:
$$[(66.0 \text{ lbs/hr})(*) \div (13,000**)] \times [1,000,000 \text{ Btu/MMBtu}] \times [1-(***/100)]$$

* = Emission factor from AP-42 table 1.1-4
** -- 13,000 is the coal's heating value in Btu/lb
*** = Cyclone Control Efficiency
- b) Pursuant to Regulation 401 KAR 61:015, Section 4(2)(b), opacity shall not exceed forty percent except that for stoker fired indirect heat exchangers, a maximum of sixty percent opacity shall be permissible for not more than six consecutive minutes in any sixty consecutive minutes during cleaning the fire box or blowing soot.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c) Pursuant to Regulation 401 KAR 61:015, Section 5(1), the sulfur dioxide emissions shall not exceed 6.0 lb/MMBtu based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:

$$[(38 \times *) \text{ lb/ton}(**) \div (13,000***)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Percent sulfur in coal

** = Emission factor from AP-42 Table 1.1-3

*** -- 13,000 is the coal's heating value in Btu/lb

- d) See Section D.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

- a) The permittee shall monitor the heating value and sulfur content of each load of coal delivered to the plant.

- b) The permittee shall monitor the amount of coal burned on a monthly basis.

- c) Perform a qualitative visual observation of emissions from each stack/vent on a monthly basis and maintain a log of the observation. The log shall note:

- a. whether any air emissions (except for water vapor) were visible from the vent/stack,
- b. all emission points from which visible emissions occurred, and
- c. whether the visible emissions were normal for the process.

5. Specific Recordkeeping Requirements:

- a) The permittee shall keep records of the heating value and sulfur content of each load of coal delivered to the plant.

- b) The permittee shall keep records of the amount of coal burned on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a) The cyclone shall be operated as necessary to maintain compliance with the permitted emission limitations, in accordance with the manufacturer's specifications and/or good engineering practices.

- b) Records regarding the maintenance and operation of the control equipment shall be maintained.

8. Alternate Operating Scenarios:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

9. Compliance Schedule:

None

10. Compliance Certification Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emissions Unit 03 (03-14) Indirect Heat Exchangers

Description:

12 Natural gas-fired units

Total Rated capacity: 36.3 MMBtu/Hr

Capacity in Btu/hr per boiler:	3A - 1,050,000 (1968)	3B - 4,800,000 (1962)
	3C - 4,800,000 (1962)	3D - 1,680,000 (1968)
	3E - 1,680,000 (1968)	3F - 1,690,000 (1962)
	3G - 3,000,000 (1968)	3H - 3,000,000 (1969)
	3I - 3,000,000 (1966)	3J - 3,000,000 (1966)
	3K - 3,600,000 (1968)	3L - 5,021,250 (1969)

APPLICABLE REGULATIONS:

Regulations 401 KAR 61:015, Existing indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBTU/hr and commenced before April 9, 1972.

1. Operating Limitations:

- a) The permittee shall limit the operation of emission units **03 – 07** (boilers 3-25) such that the maximum total annual (consecutive twelve (12) month) natural gas consumption shall not exceed **750,000,000** cubic feet of gas burned. [Self- imposed restriction, so as to preclude the applicability of Regulation 401 KAR 52:020]. The usage rate of materials used in all affected facilities shall be limited so as not to exceed the emission limitations listed in section B(2) below.
- b) See Section D.

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.39 lb/MMBtu based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:

$$[(6.2 \text{ lbs}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-2

** -- Natural gas heating value in Btu/feet³
- b) Pursuant to Regulation 401 KAR 61:015, Section 4(3), opacity shall not exceed forty percent.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c) Pursuant to Regulation 401 KAR 61:015, Section 5(1), the sulfur dioxide emissions shall not exceed 4.0 lb/MMBtu based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:

$$[(0.6 \text{ lb}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-1

** -- Natural gas heating value in Btu/feet³

- d) These units are considered to be in compliance with the allowable SO₂, PM, and opacity limitations while burning natural gas.
- e) See Section D.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of gas used on a monthly basis.

5. Specific Recordkeeping Requirements:

The permittee shall keep records of the amount of gas used on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emissions Units 04 and 05 (15 and 16)****Indirect Heat Exchangers****Description:****04**

Natural gas-fired unit
Rated capacity: 72.8 MMBtu/Hr
Manufacturer: Murray
Construction Date: 1971

05

Natural gas-fired unit
Rated capacity: 72.8 MMBtu/Hr
Manufacturer: Murray
Construction Date: 1971

APPLICABLE REGULATIONS:

Regulations 401 KAR 61:015, Existing indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBTU/hr and commenced before April 9, 1972.

1. Operating Limitations:

- a) The permittee shall limit the operation of emission units **03 – 07** (boilers 3-25) such that the maximum total annual (consecutive twelve (12)-month) natural gas consumption shall not exceed **750,000,000** cubic feet of gas burned. [Self- imposed restriction, so as to preclude the applicability of Regulation 401 KAR 52:020]. The usage rate of materials used in all affected facilities shall be limited so as not to exceed the emission limitations listed in section B(2) below.
- b) See Section D.

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.39 lb/MMBtu based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:

$$[(6.2 \text{ lbs}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-2

** -- Natural gas heating value in Btu/feet³

- b) Pursuant to Regulation 401 KAR 61:015, Section 4(3), opacity shall not exceed forty percent.
- c) Pursuant to Regulation 401 KAR 61:015, Section 5(1), the sulfur dioxide emissions shall not exceed 4.0 lb/MMBtu based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:
$$[(0.6 \text{ lb}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-1
** -- Natural gas heating value in Btu/feet³

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

d) These units are considered to be in compliance with the allowable SO₂, PM, and opacity limitations while burning natural gas.

e) See Section D.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of gas used on a monthly basis.

5. Specific Recordkeeping Requirements:

The permittee shall keep records of the amount of gas used on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emissions Unit 06 (17-24)

Indirect Heat Exchangers

Description:

8 Natural gas-fired units

Total Rated capacity: 24.9 MMBtu/Hr

Capacity in Btu/hr per boiler:	6A - 1,256,000 (1992)	6B - 2,700,000 (1991)
	6C - 3,348,000 (1992)	6D - 3,000,000 (1995)
	6E - 3,200,000 (1996)	6F - 3,348,000 (1990)
	6G - 4,000,000 (1986)	6H - 4,000,000 (1986)

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:015, New indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBTU/hr and commenced on or after April 9, 1972.

1. Operating Limitations:

- a) The permittee shall limit the operation of emission units **03 – 07** (boilers 3-25) such that the maximum total annual (consecutive twelve (12)-month) natural gas consumption shall not exceed **750,000,000** cubic feet of gas burned. [Self-imposed restriction, so as to preclude the applicability of Regulation 401 KAR 52:020]. The usage rate of materials used in all affected facilities shall be limited so as not to exceed the emission limitations listed in section B(2) below.
- b) See Section D.

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.10 lb/MMBtu based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:

$$[(6.2 \text{ lbs}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-2
 ** -- Natural gas heating value in Btu/feet³
- b) Pursuant to Regulation 401 KAR 59:015, Section 4(3), opacity shall not exceed forty percent.
- c) Pursuant to Regulation 401 KAR 59:015, Section 5(1), the sulfur dioxide emissions shall not exceed 4.0 lb/MMBtu based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:

$$[(0.6 \text{ lb}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-1
 ** -- Natural gas heating value in Btu/feet³

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- d) These units are considered to be in compliance with the allowable SO₂, PM, and opacity limitations while burning natural gas.
 - e) See Section D.
- 3. **Testing Requirements:**
None
- 4. **Specific Monitoring Requirements:**
The permittee shall monitor the amount of gas used on a monthly basis.
- 5. **Specific Recordkeeping Requirements:**
The permittee shall keep records of the amount of gas used on a monthly basis.
- 6. **Specific Reporting Requirements:**
See Section F.
- 7. **Specific Control Equipment Operating Conditions:**
N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emissions Unit 07 (25)****Indirect Heat Exchanger****Description:**

Natural gas-fired unit

Rated capacity: 20 MMBtu/Hr

Manufacturer: Johnston

Construction Date: 1992

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:015, New indirect heat exchangers applicable to an emissions unit with a capacity less than 250 mmBTU/hr and commenced on or after April 9, 1972.

Regulation 401 KAR 60:005, Standards of performance for small industrial-commercial-institutional steam generating units that commenced construction on or after June 9, 1989.

1. Operating Limitations:

- b) The permittee shall limit the operation of emission units **03 – 07** (boilers 3-25) such that the maximum total annual (consecutive twelve (12)-month) natural gas consumption shall not exceed **750,000,000** cubic feet of gas burned. [Self- imposed restriction, so as to preclude the applicability of Regulation 401 KAR 52:020]. The usage rate of materials used in all affected facilities shall be limited so as not to exceed the emission limitations listed in section B(2) below.
- c) See Section D.

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.10 lb/MMBtu based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:
$$[(6.2 \text{ lbs}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-2
** -- Natural gas heating value in Btu/feet³
- b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed 20 percent opacity except that a maximum of twenty-seven percent shall be permissible for not more than one six minute period in any sixty consecutive minutes.
- c) Pursuant to Regulation 401 KAR 59:015, Section 5(1), the sulfur dioxide emissions shall not exceed 0.8 lb/MMBtu based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:
$$[(0.6 \text{ lb}/10^6 \text{ feet}^3)(*) \div (1,030**)] \times 1,000,000 \text{ Btu/MMBtu}$$

* = Emission factor from AP-42 Table 1.4-1
** -- Natural gas heating value in Btu/feet³

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- d) These units are considered to be in compliance with the allowable SO₂, PM, and opacity limitations while burning natural gas.
- e) See Section D.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of gas used on a monthly basis.

5. Specific Recordkeeping Requirements:

The permittee shall keep records of the amount of gas used on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emissions Unit 08 (18)

Paint Spray Booth

Description:

Maximum operating rate: 0.25 gal/hr

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:010, New process operations applicable to emissions units commenced on or after July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 2.34 lb/hr based on a three-hour-average.
- b) Pursuant to Regulation 401 KAR 59:010, Section 3(1), visible emissions shall not equal or exceed 20 percent opacity.

Compliance Demonstration Method

This unit is deemed to be in compliance with (a) and (b) above if the maximum operating rate of 0.25 gal/hr is not exceeded.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The amount of each coating used shall be monitored on a monthly basis.

5. Specific Recordkeeping Requirements:

Records of each coating used and hours of operation shall be kept on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

N/A

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Coal Unloading and Handling	401 KAR 63:020
2. Fly Ash Silo Loading	401 KAR 63:010
3. Dark Rooms	401 KAR 63:010
4. Wood Shop	401 KAR 59:010
5. Print Shop	401 KAR 63:020
6. Lab Hoods	401 KAR 63:020
7. Degreaser	401 KAR 63:020
8. Boilers less than 1.0 MMBtu/hr	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. Pursuant to Regulation 401 KAR 52:030, Section 1, emissions limitations and standards contained herein shall be legally and practically enforceable.
2. As required by Section 1b of the Cabinet Provisions and Procedures material incorporated by reference in 401 KAR 52:030, Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any consecutive twelve (12) months total.
3. In accordance with Regulation 401 KAR 52:030, Section 1 and to preclude Regulation 401 KAR 52:020, source wide emissions of SO₂ and NO_x shall not equal or exceed 100 tons per year.
4. Testing shall be conducted at such time as may be required by the cabinet in accordance with the Regulations 401 KAR 59:005 section 2(2) and KAR 50:045 section 4.
5. To preclude Regulation 401 KAR 52:020, the source has taken a federally enforceable limit on the coal to be burned at Emission Points 01 and 02. The annual limit of 6450 tons of coal burned shall not be exceeded.
6. To preclude Regulation 401 KAR 52:020, the source has taken a federally enforceable source-wide cap on the amount of natural gas to be used at the facility's boilers #2-25. The annual limit or 750,000,000 cubic feet of natural gas burned shall not be exceeded.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements.
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5. [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401 KAR 52:030, Permits, Section 21, the permittee shall certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Bowling Green Regional Office
1508 Western Ave
Bowling Green, KY 42104

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
- a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - i. The size and location of both the original and replacement units; and
 - ii. Any resulting change in emissions;
 - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - d. The replacement unit shall comply with all applicable requirements; and
 - e. The source shall notify Regional office of all shutdowns and start-ups.
 - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
 - i. Re-install the original unit and remove or dismantle the replacement unit; or
 - ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
11. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
16. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in this permit; and
 - (b) Non-applicable requirements expressly identified in this permit.
16. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
17. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].
18. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

(c) Permit Revisions

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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(e) Acid Rain Program Requirements

1. N/A

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346
2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None